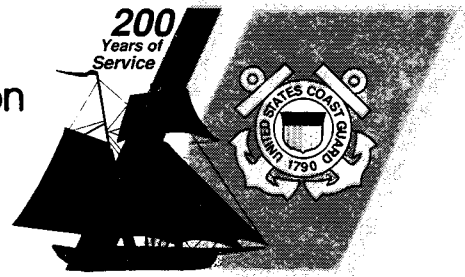


U.S. Department
of Transportation

**United States
Coast Guard**



BOAT CREW QUALIFICATION GUIDE SURFMAN

**Commandant Instruction
M16114.14**



COMDTINST M16114.14

16 MAY 1989

COMMANDANT INSTRUCTION M16114.14

Subj: Boat Crew Qualification Guide - Surfman

1. PURPOSE. This guide provides standardized procedures and guidance for the purpose of qualifying personnel as a Coast Guard Surfman.
2. DIRECTIVES AFFECTED. COMDTINST M16114.6 , Volume III is cancelled.
3. DISCUSSION. Observation and comments from the users of the Boat Crew Qualification program indicated basic changes were needed in the manuals used for qualification. First, the tasks necessary for qualification were simplified by removing those that were redundant or non-essential to the mission. Second, the conditions and standards for each task were changed to establish definite performance parameters. Third, a chapter was added to provide guidance to the manual's users. Because this is a significant change, unit commanders must thoroughly read and understand this manual and COMDTINST M16114.9A (series), the Boat Crew Training Manual, prior to implementing the program. Any questions shall be resolved through discussion with Commandant (G-NRS-2).
4. ACTION. Area and district commanders, group commanders, and unit commanding officers shall comply with this manual when qualifying Surfmen. Surfmen assigned to a unit with small boats and already holding an SJ or SK qualification code need not requalify.

A. B. SMITH
Acting Chief, Office of Navigation
Safety and Waterway Services

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RECORD OF CHANGES

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BOAT CREW QUALIFICATION GUIDE

SURFMAN

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CHAPTER I

INTRODUCTION

- A. System Overview - The Boat Crew Qualification Guides are an integral part of the boat crew qualification and certification process. Each manual contains a collection of tasks which must be learned, practiced, and performed by the trainee. These tasks represent the minimum elements of skill and knowledge necessary to the safe and effective performance of the duties of a crewmember aboard Coast Guard boats. The following is a brief synopsis of the process and explains where this manual and the people who use it fit in.

Steps in the Qualification and Certification Program process:

1. The trainee is designated to the training program by the unit command.
2. An experienced petty officer is assigned as the trainee's primary instructor.
3. The trainee completes the appropriate qualification guide.
 - a. Trainee is assigned task
 - b. Task is demonstrated to trainee
 - c. Trainee is walked through task
 - d. Trainee practices task
 - e. Trainee demonstrates proficiency in task up to task standard
 - f. Task is signed off
4. An experienced petty officer, designated by the unit boat crew training board, and not the trainee's instructor, gives the trainee a comprehensive check ride.
5. The unit Boat Crew Training board interviews the trainee and provides a positive recommendation to the command.
6. The unit commander certifies trainee's qualification in the appropriate crew position.

While using this manual the trainee, with the help of his/her instructor will be completing the first three steps of this process. For a complete discussion of the qualification/certification program refer to COMDTINST M16114.9 (Series), The Boat Crew Training Manual.

- B. Description of the Manual - This manual is one volume of the Boat Crew Qualification Guide. Four manuals make up the guide, they are:

COMDTINST M16114.10	- Boat Crewman
COMDTINST M16114.11	- Coxswain
COMDTINST M16114.6	- Engineer
COMDTINST M16114.14	- Surfman

I.B (cont'd)

1. Each manual is made up of three major Chapters - the Introduction, the Qualification Tasks, and the Trainee Study Guide. Right now you are reading the Introduction - CHAPTER I. In it are explanations of the qualification/certification system, descriptions of the qualification manuals, and guidance concerning the responsibility of the instructor and the trainee while using these qualification guides.
2. Chapter II is made up of the qualification tasks. The tasks are gathered into separate divisions by function. The following is an example and discussion of the task format.

(a.)		<u>TASK BCM-02-01-ANY</u>
(b.)	<u>TASK:</u> IDENTIFY THE DIFFERENT PARTS OF A LINE AND THE HITCHES USED IN LINE HANDLING	
(c.)	<u>REFERENCES:</u> (a) Boat Crew Seamanship Manual, COMDTINST M16114.5 (Series)	
(d.)	<u>CONDITIONS:</u> Task should be performed at any time, on board one of the unit's boats without the use of any references or prompting.	
(e.)	<u>STANDARDS:</u> In response to the instructor, the trainee must, without error, identify different parts of a line and basic knots.	
(f.)	<u>PERFORMANCE CRITERIA</u>	
	<u>COMPLETED</u>	
	<div style="margin-left: 20px;">___ 1. Bitter end of line correctly identified.</div> <div style="margin-left: 20px;">___ 2. Standing part of line correctly identified.</div> <div style="margin-left: 20px;">___ 3. Bight made in the line.</div>	
(g.)	<u>ACCOMPLISHED:</u>	/
	INSTRUCTOR	DATE
(h.)	<u>COMMENTS:</u>	

Figure I-1

- a. The designation code (see figure I-1) - Tasks are located by a single designation. Below are three examples with explanations of the qualification task designations:

I.B.2.a (cont'd)

BCM-02-03-ANY

Task can be accomplished on any boat. ANY tasks are considered transferable from boat to boat and therefore need only be done once

Task designation number

Division designation number

Volume designation - Boat Crewman

COX-08-05-TYPE

Indicates that the task must be done individually for each different boat type qualification is desired for

Task designation number

Division designation number

Volume designation - Coxswain

- b. TASK: (see figure I-1) - The individual knowledge or skill item to be performed
- c. REFERENCE: (see figure I-1) - Information sources used by the trainee and instructor to obtain the background necessary to task performance.
- d. CONDITIONS: (see figure I-1) - The conditions are the environmental and physical circumstances in which the tasks must be performed. Any tools or special equipment needed for the completion of the task are listed here. The conditions listed with each task are the minimum conditions which the trainee must be able to perform the task before the instructor should be satisfied with that performance.

- (1). The following definitions describe the terms found in the Conditions and Standards:

Boat Operations

Slow Underway and moving ahead at clutch speed or slower

Underway Not tied to a pier or float and not anchored or moored

Visibility

Restricted Visibility less than 1/4 mile

Clear All other states of visibility

I.B.2.d (cont'd)

Sea Conditions

Calm	Seas 1 foot or less
Moderate	Seas 3 to 5 feet
Heavy	Seas 6 feet and over

During the period a member is qualifying, the minimum standards regarding weather are just that, minimums. This qualifying period should include wind and sea conditions appropriate for the area, not just surf training. The unit commander should set maximum weather limitations in conjunction with Commandant policy. Then insure the trainee practices and becomes proficient in these varied conditions and not just the minimums prior to qualification. Some geographic areas consistently have higher wind, sea and surf states than others, thus a currently certified surfman with PCS orders to one of these units may require additional training in these conditions prior to local certification.

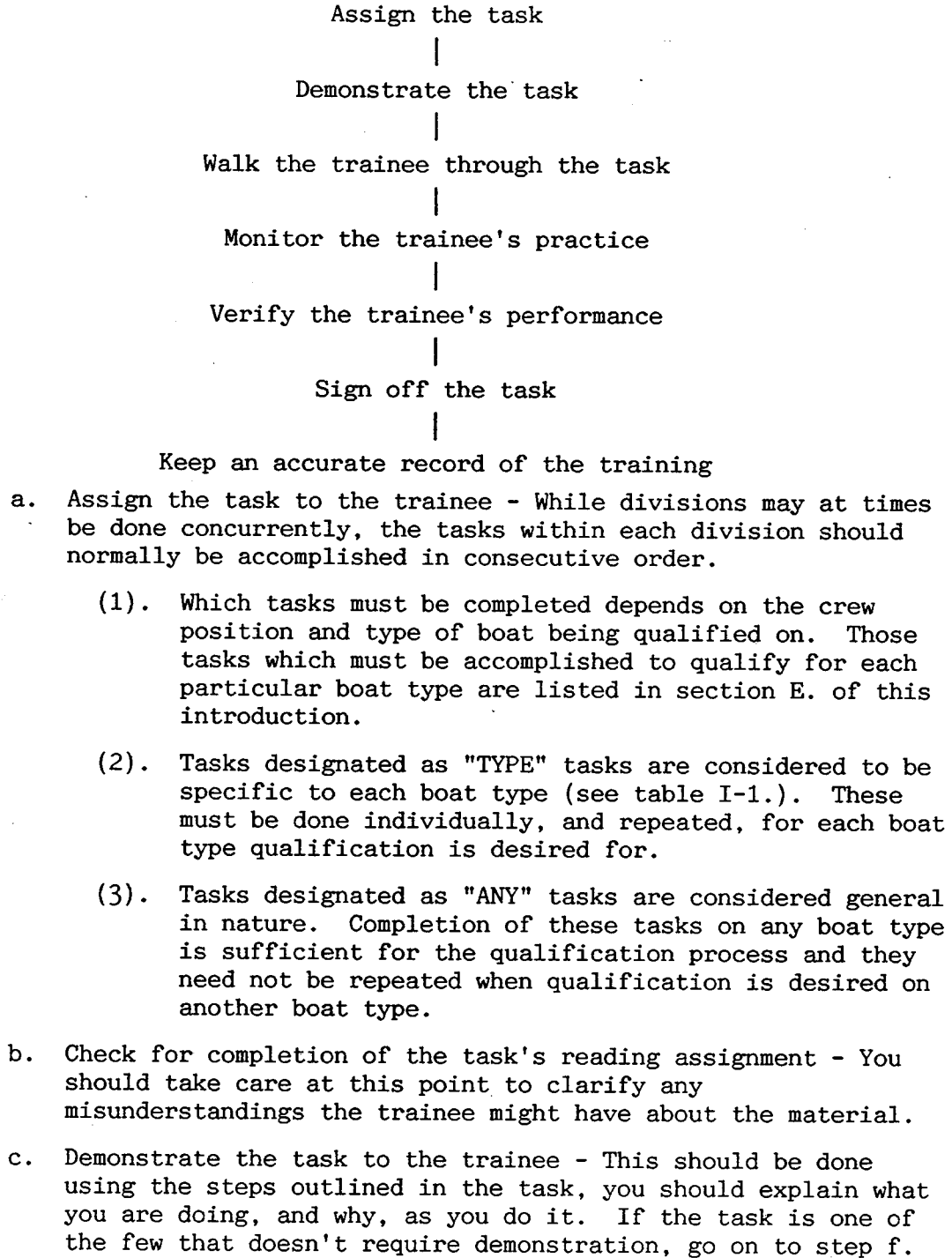
- e. STANDARDS: (see figure I-1) - Standards describe the expected outcome of the task. Successful task completion is a function of how well a student is able to complete the task without assistance. The levels of performance provided in this paragraph represent minimum standards. Generally Task performance standards are as follows:
 - (1). Knowledge Tasks - Trainee must be able to cite from memory the required information. Instructors may wish to ask questions concerning particular steps for accomplishment in order to measure the Trainees' total comprehension of the subject matter.
 - (2). Skill Tasks - Trainees must be able to perform all manual tasks without prompting or assistance from the instructor. Each task demonstration must follow the correct sequence with little or no hesitation between the steps for accomplishment.
- f. PERFORMANCE CRITERIA: (see figure I-1) - These steps delineate the procedure that is best followed for performing each task. They can be utilized in two basic ways:
 - (1). The steps can be used as an aid in learning the task. Some steps for task accomplishment follow exact procedures which are required for performing a particular operation or using a specific piece of equipment, while others serve as general guidelines for task completion.
 - (2). They provide a performance check-off which can be used by the instructor to measure trainee performance when the trainee performs the task.

I.B.2 (cont'd)

- g. ACCOMPLISHED: (see figure I-1) - The designated instructor must print his/her name and rate, sign and date this line attesting that the trainee can successfully perform the task up to prescribed standards.
 - h. COMMENTS: (see figure I-1) - The comment section can be used to describe circumstances or conditions which might have a bearing on task completion. Failure to perform any element or unsatisfactory performance of an individual element should be noted in the comments section for the task. If the task is completed under more arduous circumstances than those described, a notation should be made.
- 3. At the end of Chapter I (Enclosure (1)) is a list of all the tasks in this instruction with space for the instructor to initial and date when each task has been completed.
- C. Instructor Guidance - After being assigned by your command as an instructor, and before beginning your duties, you should carefully read this chapter and familiarize yourself with the remainder of this manual. You should also read COMDTINST M16114.9 (Series) The Boat Crew Training Manual. After you are thoroughly familiar with the program you may then continue with your duties - preparing and guiding your assigned trainee through the qualification and certification program.
 - 1. Duties - The instructor must be keenly aware of not only how, but how well a task is performed. The instructor should set high standards of performance for trainees as they progress through the qualification guides. The instructors duties include:
 - a. Guiding the trainee through the qualification process as per the instructions in chapter I of each qualification guide
 - b. Teaching skills to trainees
 - c. Observing trainee skill development during unit operations and training
 - d. Recommending certification
 - e. Maintaining own proficiency training and technical knowledge

I.C. (cont'd)

2. Guiding the trainee through the process - Tasks are meant to be learned through constant practice, under your guidance as the instructor. You accomplish this by following the procedural steps listed below:



I.C.2. (cont'd)

- d. Walk the trainee through the procedural steps of the task - In order to ensure trainee understanding you may want to walk the trainee through the steps more than once. There is no limit on the amount of time the walk through can take, but you must ensure all steps are understood before continuing.
- e. Monitor the trainee's practice - Trainee performance should be monitored during both training and operations. Qualification doesn't end with the first successful completion of the task but is an on-going process that doesn't end until the standard can be met consistently.
- f. Verify that the trainee's performance meets the standard - This includes two parts. First, the trainee must be able to do the task subject to any specific conditions and up to any specific standards delineated for the task, and second, the trainee must be able to do it unsupervised.
 - (1) The trainee is not expected to do each task to the level of its specific standard with every performance, but the instructor should be confident that the trainee is capable of consistently meeting that standard before the task is signed off. Being able to work unsupervised is a general standard imposed on all tasks. Some tasks may only require the trainee to do it once to meet the standard. Some may require a lot of practice. Only the instructor can say when the standard has been met.
- g. Sign off the task at the bottom of the page - This should only be done when the instructor is confident the trainee can perform the task, consistently, while unsupervised.
- h. Keep a good record of the training - The instructor has responsibility for keeping the trainee's record of training in this manual correct and up to date. This manual should be maintained by the instructor, not the trainee. Only the reading assignments should be given to the trainee. After a task has been signed off by the instructor it can be removed and placed in the trainee's training record.
 - (1). As a quick reference of the trainee's progress, you should maintain the task list located at the end of Chapter I (Enclosure (1)). This is accomplished by entering the start date as each task is assigned and then initialing and entering the completion date as each task is completed.
- i. Inform your command when the manual is completed - When the trainee has completed all tasks designated for the crew position and boat type the qualification is being done for you should inform your unit training officer that the trainee is ready to progress to the next step in the qualification and certification process.

I.C (cont'd)

3. Method - Instructors should become familiar with the strengths and weaknesses of each student and should strive to adjust teaching methods to each. They should maintain open communications with the student so that incorrect procedures or bad work habits on the part of the student are detected early and corrected. Instructors should draw on the expertise of senior unit members and the OIC for technical or procedural advice and information.
 4. Qualification. It is important that every instructor understand the significance of the standards of performance listed for each task in the Qualification Guide. Instructor responsibilities here are twofold: one, to actively teach the trainee how to perform the task up to the required level of mastery implied by the conditions and standards listed for a task. Two, and most important, the instructor should not sign off a task as completed until he/she is satisfied that the trainee is fully capable of performing the task unsupervised.
 5. Certification Recommendation - When the trainee has completed the appropriate qualification guide the instructor must make a positive recommendation to the Boat Crew Examining Board. This recommendation is never given until the instructor is satisfied that the trainee can carry out assigned boat crew duties consistently and unsupervised.
 6. Proficiency maintenance and technical knowledge - It is imperative that a very high level of professionalism be maintained among all unit instructors. Therefore current proficiency training standards must be kept up to date as well as a knowledge of recent technological changes or procedures which affect small boat operations.
- D. Trainee Guidance - It is the trainee's responsibility to learn the material in this manual up to the standards presented. The tasks that make up Chapter II of this book represent those skills you will be using in your job as boat crewman. There are four parts to this learning process.
1. The first part is for the instructor to demonstrate the task to you. While the task is being demonstrated you must pay particular attention and ask as many questions as necessary to understand what is being demonstrated.
 2. Second, you will be walked through the task by your instructor. The walk through should be done at a speed, and as many times as necessary, for your understanding.
 3. Third, you must practice the skill. Though there are a few skills in the qualification manual that do not require practice, most do, and plenty of it. Your instructor will not sign off any task as complete until you can show you are capable of consistently doing the task, unsupervised, under the conditions and up to the specific standards stipulated for the particular task.

I.D (cont'd)

4. When you have finished with all of the appropriate tasks in the manual you will be ready to begin the certification process.

E. TASK LIST FOR BOAT SURFMAN

Only those tasks applicable (marked with an "X") for type of boat being qualified on need be done.

TASK	BOAT TYPE TO BE TRAINED FOR							
	SRB	MLB	52 MLB					
SRF-01-01-ANY PERFORM SURF SWIM	X	X	X					
SRF-01-02-ANY ID TYPES OF BREAKING SEAS	X	X	X					
SRF-01-03-TYPE FORCES EFFECT BOAT OPS	X	X	X					
SRF-01-04-ANY ID SAFETY PRECAUTIONS	X	X	X					
SRF-01-05-TYPE STATION KEEPER	X	X	X					
SRF-01-06-TYPE TRANSIT OUT INLET/BAR	X	X	X					
SRF-01-07-TYPE TRANSIT IN INLET/BAR	X	X	X					
SRF-01-08-TYPE TRANSIT BEAM SEAS	X	X	X					
SRF-01-09-TYPE TRANSIT BEACH SURF	X	X	X					
SRF-01-10-TYPE RECOVER PERSON IN WATER	X	X	X					
SRF-01-11-ANY CAUSE OF LOCAL SURF	X	X	X					
SRF-02-01-ANY PROCEDURE DUR- ING ROLLOVER	X	X	X					
SRF-02-02-ANY PROCEDURE AFTER ROLLOVER	X	X	X					

I.E (cont'd)

TASK	BOAT TYPE TO BE TRAINED FOR								
	SRB	MLB	52 MLB						
SRF-03-01-ANY EFFECTS OF HIGH SEAS	X	X	X						
SRF-03-02-ANY PRECAUTIONS IN HEAVY SEAS	X	X	X						
SRF-03-03-TYPE OPERATE IN HIGH SEAS	X	X	X						
SRF-03-04-TYPE TOW IN HIGH SEAS	X	X	X						
SRF-03-05-TYPE PASS PUMP IN HIGH SEAS(DIR)	X	X	X						
SRF-03-06-TYPE PASS PUMP IN HIGH SEAS (TOW)	X	X	X						
SRF-03-07-TYPE TOW VESSEL WITH DROGUE	X	X	X						
SRF-03-08-TYPE NAVIGATE IN HIGH SEAS	X	X	X						

TASK ACCOMPLISHMENT RECORD FOR BOAT SURFMAN

Instructor should remove this section and put it in the trainee's training record.

TRAINEE NAME: _____ RATE: _____

INSTRUCTOR NAME: _____ RATE: _____

POSITION QUALIFICATION CODE TO BE TRAINED FOR: _____

TASK	DATE STARTED	DATE COMPLETED	INSTRUCTORS INITIALS
SRF-01-01-ANY PERFORM SURF SWIM			
SRF-01-02-TYPE ID TYPES OF BREAKING SEAS			
SRF-01-03-TYPE FORCES EFFECT BOAT OPS			
SRF-01-04-ANY ID SAFETY PRECAUTIONS			
SRF-01-05-TYPE STATION KEEP			
SRF-01-06-TYPE TRANSIT OUT INLET/BAR			
SRF-01-07-TYPE TRANSIT IN INLET/BAR			
SRF-01-08-TYPE TRANSIT BEAM SEAS			
SRF-01-09-TYPE TRANSIT BEACH SURF			
SRF-01-10-TYPE RECOVER PERSON IN WATER			
SRF-01-11-ANY CAUSE OF LOCAL SURF			

Encl: (1) to COMDTINST M16114.14

TASK	DATE STARTED	DATE COMPLETED	INSTRUCTORS INITIALS
SRF-02-01-ANY PROCEDURE DURING ROLL- OVER			
SRF-02-02-ANY PROCEDURE AFTER ROLL- OVER			
SRF-03-01-ANY EFFECTS OF HIGH SEAS			
SRF-03-02-ANY PRECAUTIONS IN HEAVY SEAS			
SRF-03-03-TYPE OPERATE IN HIGH SEAS			
SRF-03-04-TYPE TOW IN HIGH SEAS			
SRF-03-05-TYPE PASS PUMP IN HIGH SEAS(DIR)			
SRF-03-06-TYPE PASS PUMP IN HIGH SEAS (TOW)			
SRF-03-07-TYPE TOW VESSEL WITH DROGUE			
SRF-03-08-TYPE NAVIGATE IN HIGH SEAS			

TRAINEE NAME: _____

INSTRUCTOR NAME: _____

CHAPTER II

SURFMAN QUALIFICATION TASKS

MINIMUM REQUIREMENTS FOR ALL SURFMAN

The purpose of this manual is to set forth the minimum requirements for Surfman. All prospective Surfmen must be:

- a. Assigned to an operational unit with a 44'/52' MLB or 30' SRB attached, and
- b. Be a certified coxswain aboard an 44' MLB.

In addition to the above, the operational unit must have a bar or inlet, and surf conditions that meet the conditions prescribed in this manual.

Upon completion of each task, the instructor will sign and date each individual task successfully completed. Some units may establish additional requirements due to the larger operational bars, Inlets and Surf Conditions.

Boat Crew Examination Board (BCEB), and a qualification check ride shall be provide as prescribe in COMDTINST M16114.9A (series) and appropriate PMIS entries for Surfman (SK or SJ) will be entered in the individuals service record.

Instructions:

1. This chapter is to be kept by the instructor. The Task Accomplishment Record is to be kept in the trainee's training record. Their purpose is to provide a record of the trainee's progress through the qualification tasks.
2. The instructor should present the tasks to the trainee in a logical order using chapter I paragraph C. of this instruction as guidance.

Instructions: (cont)

3. Tasks and the Task Accomplishment Record should be signed and dated when the instructor is satisfied that the trainee can perform a task up to all standards and under the specified conditions for the task.

DIVISION ONE
SURF OPERATIONS

1. GENERAL OBJECTIVES:

- a. Identify and explain the basic types and causes of breaking seas.
- b. Identify and explain the dynamic forces effecting the operation of a surf boat in surf.
- c. Demonstrate a working knowledge and ability to safely operate a surf boat in surf.
- d. Explain local surf conditions and how they are created.

2. TASK LISTING:

- | | |
|----------------|--|
| SRF-01-01-ANY | Perform Surf Swim. |
| SRF-01-02-ANY | Identify the types of breaking seas, their characteristics, causes, and how they effect boat operations. |
| SRF-01-03-TYPE | Explain the forces effecting a boat operating in surf. |
| SRF-01-04-ANY | Identify safety precautions and equipment for surf operations. |
| SRF-01-05-TYPE | Demonstrate ability to maintain a stationary position, "station keep", in surf. |
| SRF-01-06-TYPE | Demonstrate ability to transit outbound on an inlet or bar through 6-8 foot surf. |
| SRF-01-07-TYPE | Demonstrate ability to transit inbound on an inlet or bar through 6-8 foot surf. |
| SRF-01-08-TYPE | Demonstrate ability to transit beam seas in 6-8 foot surf. |
| SRF-01-09-TYPE | Demonstrate ability to enter, transit, and depart a beach surf zone in 6-8 foot surf. |
| SRF-01-10-TYPE | Demonstrate ability to recover a simulated person in the water in surf. |
| SRF-01-11-ANY | Explain the geographical causes of local surf conditions. |

TASK SRF-01-01-ANYTASK:

PERFORM SURF SWIM.

REFERENCE: (a) Chapter 2, and 18, Boat Crew Seamanship Manual, COMDTINST M16114.5 (Series)

CONDITION:

Task will be performed while underway during daylight hours only, in fair weather conditions, in four-foot surf, in good visibility and under direct supervision of a certified Surfman. The trainee will be completely outfitted with hypothermia protective clothing and the contents of the boat crew signal kit as specified in the CG Rescue and Survival Systems Manual (COMDTINST M10470.10 series). Two "safety observers", a "beach party", and "portable radio" is required. There will be a safety observer onboard the boat, who must be a certified Coxswain, and will check the operational condition of survival equipment being utilized. The "second" safety observer, who must also be a certified Coxswain/Surfman, is responsible for supervision of the beach party and establishing communications with the boat. In addition, the beach party will consist of two line handlers (one of which may be the second safety observer), two designated safety swimmer and an EMT. All beach party members must be certified as a boat crewmember. At no time will the trainee enter the water until directed to do so by the boat's coxswain.

NOTE: The Safety Observer onboard the boat shall not be the coxswain of the boat.

STANDARDS:

Donning full survival equipment, swim 75-100 yards through four foot surf, using the side and/or breast stroke and following all safety procedures. Keep head facing the beach. The "buddy system" must be used.

PERFORMANCE CRITERIA

COMPLETED

-
- _____ 1. Explained the procedures and techniques for swimming in surf, and safety procedures to be observed.
 - _____ 2. Properly donned hypothermia protective clothing.

TASK SRF-01-01-ANY

- _____ 3. Understood the buddy system of swimming.
- _____ 4. Explained emergency procedures (as established locally).
- _____ 5. Used proper method for entering the water.
- _____ 6. Identified safe operating area and hazards.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-01-02-ANYTASK:

IDENTIFY THE TYPES OF BREAKING SEAS, THEIR CHARACTERISTICS, CAUSES, AND EFFECT ON BOAT OPERATIONS.

REFERENCE: (a) Chapter 7, Boat Crew Seamanship Manual,
COMDTINST M16114.5 (Series)

CONDITIONS:

Task performed at anytime or place. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

The trainee must state, without error, the types of breaking seas, their causes, characteristics, and how they effect boat operations.

PERFORMANCE CRITERIA

COMPLETED

- _____ 1. Stated types of breakers.
- _____ 2. Stated causes of each type.
- _____ 3. Stated effects of bottom contour, jetties, islands, and obstructions.
- _____ 4. Stated effects of winds.
- _____ 5. Stated how each type of break will effect the boats basic operations.
- _____ 6. Explained the effects of current on breaking seas.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-01-03-TYPETASK:

EXPLAIN THE FORCES EFFECTING A BOAT OPERATING IN SURF.

REFERENCE: (a) Chapter 8, Boat Crew Seamanship Manual,
COMDTINST M16114.5 (Series)

CONDITION:

Task performed at anytime or place. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

The trainee must state, without error, the forces effecting a boat operating in surf.

PERFORMANCE CRITERIA

COMPLETED

- _____ 1. Stated effects of aerated water on rudders and propellers.
- _____ 2. Stated the effects of shallow water concerning maneuverability.
- _____ 3. Stated effects of meeting surf with all power ranges.
- _____ 4. Stated effects of excessive speed cause when meeting a break.
- _____ 5. Stated causes of roll over.
- _____ 6. Stated causes of pitchpoling.
- _____ 7. Stated effects of changes in center of gravity.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-01-04-ANYTASK:

IDENTIFY SAFETY PRECAUTIONS AND SAFETY EQUIPMENT FOR SURF OPERATION.

REFERENCE: N/A

CONDITION:

Task performed on boat at anytime. Trainee must accomplish task without prompting or use of a reference.

STANDARD:

The trainee must state, without errors, the safety precautions and safety equipment for surf operations.

PERFORMANCE CRITERIA

COMPLETED

- _____ 1. Stated maximum training conditions.
- _____ 2. Stated maximum operational conditions.
- _____ 3. Stated required survival equipment.
- _____ 4. Stated procedures for use of boat crew safety belts.
- _____ 5. Stated procedures for reducing body stress.
- _____ 6. Stated likely missile hazards.
- _____ 7. Stated action of crew in the event the windshield is struck by a breaker.
- _____ 8. Stated procedures for surf operations boat check stated.
- _____ 9. Described location of safety belt attachment points and crew positioning.

TASK SRF-01-04-ANY

- _____10. Stated maximum size of training surf.
- _____11. Stated maximum size of operational surf.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-01-05-TYPETASK:

DEMONSTRATE ABILITY TO STATION KEEP IN SURF.

REFERENCES:CONDITIONS:

Task performed while underway for training in daytime in 6-8 foot surf. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

Task must be done without endangering the boat or crew. Boat must maintain stationary position for at least five minutes with limited movement. Boat must maintain head to attitude at all times except when lateral movement is necessary.

PERFORMANCE CRITERIA

COMPLETED

- _____1. Briefed crew, given duties.
- _____2. Positioned crew with all safety equipment.
- _____3. Boat inspected with all loose gear stowed and water tight integrity maintained.
- _____4. Tested engine and steering system controls prior to entering surf zone.
- _____5. Observed surf conditions and evaluated.
- _____6. Identified natural range and landmarks.
- _____7. Identified safe operating area and hazards.
- _____8. Maintained bow aspect when in surf.
- _____9. Used proper power to meet breakers and hold position.

TASK SRF-01-05-TYPE

- _____10. Used proper helm, throttle commands to achieve a bow on position to the seas.
- _____11. Used small swells and surf to maneuver and hold position.
- _____12. Used proper communications between coxswain and crew.
- _____13. Maintained position within 50 feet for 5 minutes.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-01-06-TYPETASK:

DEMONSTRATE ABILITY TO TRANSIT OUTBOUND ON AN INLET OR BAR THROUGH 6-8 FOOT SURF.

REFERENCE: N/A

CONDITION:

Task performed while underway for training in daytime in 6-8 foot surf. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

Task must be done without endangering the boat or crew. Boat must cross at least three lines of breaks at least five times. If possible, all surf should be avoided without meeting a breaker. Boat must meet breakers with enough power to get the boat through the wave.

PERFORMANCE CRITERIA

COMPLETED

- _____ 1. Briefed crew, given duties.
- _____ 2. Positioned crew with all safety equipment.
- _____ 3. Boat inspected with all loose gear stowed and water tight integrity maintained.
- _____ 4. Tested engine and steering controls prior to entering surf zone.
- _____ 5. Observed surf conditions and evaluated.
- _____ 6. Identified safe operating area and hazards.
- _____ 7. Avoided breaking waves, if possible.
- _____ 8. Used highest, comfortable, speed.

TASK SRF-01-06-TYPE

- _____9. Met surf with appropriate power.
- _____10. Maneuvered boat in time to take break bow on, in the white water (if breaker is unavoidable).
- _____11. Used proper communication between coxswain and crew.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-01-07-TYPETASK:

DEMONSTRATE ABILITY TO TRANSIT INBOUND ON AN INLET OR BAR THROUGH 6-8 FOOT SURF.

REFERENCE: N/A

CONDITION:

Task performed while underway for training in daytime in 6-8 foot surf. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

Task must be done without endangering the boat or crew. Boat must cross at least three lines of breaks at least five times. Maximum effort should be taken to keep the boat from being over taken by a breaker. Boat must be maneuvered in adequate time to avoid a breaker on the stern.

PERFORMANCE CRITERIA

COMPLETED

- _____1. Briefed crew, given duties.
- _____2. Positioned crew with all safety equipment.
- _____3. Boat inspected with all loose gear stowed and water tight integrity maintained.
- _____4. Tested engine and steering controls prior to entering surf zone.
- _____5. Observed surf conditions and evaluated.
- _____6. Identified safe operating area and hazards.
- _____7. Timed series to turn and run through surf zone on the lull.

TASK SRF-01-07-TYPE

- _____ 8. Avoided breaking waves, if possible.
- _____ 9. Used highest safe speed.
- _____ 10. Evaluated overtaking surf, turned into or met as appropriate.
- _____ 11. Used proper power to turn and meet breakers.
- _____ 12. Used proper communication between coxswain and crew.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-01-08-TYPETASK:

DEMONSTRATE ABILITY TO TRANSIT BEAM SEAS IN 6-8 FOOT SURF.

REFERENCE: N/A

CONDITION:

Task performed while underway for training in daytime in 6-8 foot surf. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

Task must be done without endangering the boat or crew. Boat must transit 150 yards in surf zone at least five times. Boat must not be overtaken by a breaker on the beam.

PERFORMANCE CRITERIA

COMPLETED

- _____ 1. Briefed crew, given duties.
- _____ 2. Positioned crew with all safety equipment.
- _____ 3. Boat inspected with all loose gear stowed and water tight integrity maintained.
- _____ 4. Tested engine and steering controls prior to entering surf zone.
- _____ 5. Observed surf conditions and evaluated.
- _____ 6. Identified safe operating area and hazards.
- _____ 7. Identified natural ranges and used.
- _____ 8. Avoided breaking waves, if possible.
- _____ 9. Used highest comfortable speed.
- _____ 10. Evaluated approaching surf, avoided or met as appropriate.

TASK SRF-01-08-TYPE

- _____11. Used proper power to meet breakers or let the swell pass forward of the boat.
- _____12. Used proper communication between coxswain and crew.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-01-09-TYPETASK:

DEMONSTRATE ABILITY TO ENTER, TRANSIT, AND DEPART A BEACH SURF ZONE IN 6-8 FOOT SURF.

REFERENCE: N/A

CONDITION:

Task performed while underway for training in daytime in 6-8 foot surf. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

Task must be done without endangering the boat or crew. Boat must enter surf zone from seaward, transit 150 yards and leave surf zone. Repeat at least five times. All effort must be taken to avoid breaking surf over the stern.

PERFORMANCE CRITERIA

COMPLETED

- _____ 1. Briefed crew, given duties.
- _____ 2. Positioned crew with all safety equipment.
- _____ 3. Boat inspected with all loose gear stowed and water tight integrity maintained.
- _____ 4. Tested engine and steering controls prior to entering surf zone.
- _____ 5. Observed surf conditions and evaluated.
- _____ 6. Identified safe operating area and hazards.
- _____ 7. Evaluated effects of shore currents.
- _____ 8. Identified natural ranges and used.
- _____ 9. Timed series and made approach turn during lull.
- _____ 10. Used highest comfortable speed.

TASK SRF-01-09-TYPE

- _____11. Evaluated approaching surf, avoided or met as appropriate.
- _____12. Used proper power to meet breakers.
- _____13. Avoided breaking waves if possible.
- _____14. Maintained bow aspect in surf at idle.
- _____15. Aware of depth.
- _____16. Used proper communications between coxswain and crew.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-01-10-TYPETASK:

DEMONSTRATE ABILITY TO RECOVER A SIMULATED PERSON IN THE WATER IN 6-8 FOOT SURF.

REFERENCE: N/A

CONDITION:

Task performed while underway for training in daytime in 6-8 foot surf. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

Task must be done without endangering the boat or crew. Boat must proceed from a point at least 150 feet seaward from the simulated person in the water and accomplish a recovery. Recoveries will be accomplished without endangering the simulated person (OSCAR) in the water.

PERFORMANCE CRITERIA

COMPLETED

- _____ 1. Briefed crew, given duties.
- _____ 2. Positioned crew with all safety equipment.
- _____ 3. Boat inspected with all loose gear stowed and water tight integrity maintained.
- _____ 4. Tested engine and steering controls prior to entering surf zone.
- _____ 5. Observed surf conditions and evaluated.
- _____ 6. Stationed pointer inside pilot house.
- _____ 7. Evaluated surf conditions.
- _____ 8. Used lulls in breaks for turns.
- _____ 9. Simulated person in water passed and given life ring if appropriate.
- _____ 10. Positioned boat properly down sea for final approach.

TASK SRF-01-10-TYPE

- _____11. Positioned pick up man in position for recovery
- _____12. Broke proper retrieval equipment out.
- _____13. Used lulls in breaks for final approach.
- _____14. Pickup close alongside at point ofr lowest freeboard
without endangering person in water.
- _____15. Picked up from well deck only.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-01-11-ANYTASK:

EXPLAIN LOCAL SURF CONDITIONS.

REFERENCE: N/A

CONDITION:

Task performed at anytime or place. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

The trainee must state, without error: the local surf conditions, causes, areas to be avoided and preferred.

PERFORMANCE CRITERIA

COMPLETED

-
- _____ 1. Stated description of local surf conditions.
 - _____ 2. Stated local causes of each type.
 - _____ 3. Stated effects of local contour, jetties, islands and obstructions.
 - _____ 4. Stated effects of winds.
 - _____ 5. Stated effects of a opposing current.
 - _____ 6. Stated local areas to be avoided.
 - _____ 7. Stated characteristic (depths, shoaling areas, local names for places in operating area) of local area.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

DIVISION TWO

SURF ROLL OVER AND SURF CASUALTY PROCEDURES

1. GENERAL OBJECTIVES:

- a. Explain possible casualties that could be encountered during surf operations, rollover, or a partial roll over.
- b. Explain the procedures to be carried out after a surf casualty.

2. TASK LISTING:

- SRF-02-01-ANY State the crew procedures when a boat rolls or is caught by the force of a plunging breaker.
- SRF-02-02-TYPE State the procedures to be taken when a boat has rolled.

TASK SRF-02-01-ANYTASK:

STATE THE CREW PROCEDURES WHEN A BOAT ROLLS OR IS CAUGHT BY THE FORCE OF A BREAKER.

REFERENCE: (a) Appropriate sections of the boats type or operator manual.

CONDITION:

Task performed at anytime onboard boat. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

In response to the instructor, the trainee must, without error, state the crew procedures when a boat rolls or is caught by the force of a breaker.

PERFORMANCE CRITERIA

COMPLETED

-
- _____ 1. Stated crew personnel protection procedures.
 - _____ 2. Stated forces to be expected.
 - _____ 3. Stated possible missile hazards.
 - _____ 4. Stated length of time for roll over.
 - _____ 5. Stated post rollover precautions and crew condition status.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-02-02-TYPETASK:

STATE THE EXPECTED CONDITIONS AND POST ROLLOVER PROCEDURES FOR A SELF-RIGHTING BOAT THAT HAS ROLLED.

REFERENCE: (a) Appropriate sections of the boats type or operator manual.

CONDITION:

Task performed at anytime onboard boat. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

In response to the instructor, the trainee must, without error, state the likely conditions and procedures for a self-righting boat after a roll-over.

PERFORMANCE CRITERIA

COMPLETED

-
- _____1. Stated likely conditions of antennas and mast.
 - _____2. Stated likely condition of windows, forward superstructure, and after turtle.
 - _____3. Stated deciding factors to determine to proceed with mission or return.
 - _____4. Stated likely condition of engine room.
 - _____5. Stated correct order of items to be secured and checked listed.
 - _____6. Stated immediate dock side procedures.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

DIVISION THREE

HEAVY SEAS/ROUGH WEATHER OPERATIONS

1. GENERAL OBJECTIVES:

- a. Explain the effects on a boat operating in heavy seas.
- b. Demonstrate ability to operate in heavy seas.
- c. Demonstrate ability to perform an astern tow in 4-6 foot seas.
- d. Demonstrate ability to pass a pump by direct method and by passing a pump on a towline in 4-6 foot seas.
- e. Demonstrate ability to tow a vessel in 4-6 foot seas using a drogue.
- f. Demonstrate ability to safely and efficiently navigate in 4-6 foot seas.

2. TASK LISTING:

- SRF-03-01-ANY Explain the effects of heavy seas on a boat.
- SRF-03-02-ANY Explain safety precautions for operating a boat in heavy seas.
- SRF-03-03-TYPE Operate a boat in heavy seas.
- SRF-03-04-TYPE Demonstrate ability to take a boat in tow in heavy seas.
- SRF-03-05-TYPE Demonstrate ability to direct pass a pump in heavy seas.
- SRF-03-06-TYPE Demonstrate ability to pass a pump down a towline in heavy seas.
- SRF-03-07-TYPE Demonstrate ability to tow a vessel with a drogue deployed in heavy seas.
- SRF-03-08-TYPE Demonstrate ability to navigate in high seas.

TASK SRF-03-01-ANYTASK:

EXPLAIN EFFECTS OF HEAVY SEAS ON A BOAT.

REFERENCE: (a) Chapter 8, Boat Crew Seamanship Manual,
COMDTINST M16114.5 (Series)

CONDITION:

Task performed at anytime or place. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

The trainee must state, without error, the effects of heavy seas on a boat.

PERFORMANCE CRITERIA

COMPLETED

-
- _____ 1. Stated the different types of seas and swells.
 - _____ 2. Stated the cause of each type stated.
 - _____ 3. Stated effects of bottom contour, jetties, islands and obstructions.
 - _____ 4. Stated the effect of winds.
 - _____ 5. Stated how each type of sea and swells effects boat operations .

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-03-02-ANYTASK:

EXPLAIN SAFETY PRECAUTIONS FOR OPERATING A BOAT IN HEAVY SEAS.

REFERENCE: Boatcrew Utilization Guidelines, COMDTINST 5312.15 (series)

CONDITION:

Task performed at anytime or place. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

The trainee must state, without error, safety precautions for operating a boat in heavy seas.

PERFORMANCE CRITERIA

COMPLETED

-
- _____ 1. Stated required safety equipment.
 - _____ 2. Stated use of safety belts and helmets.
 - _____ 3. Identified missile hazards.
 - _____ 4. Stated effects of fatigue and hypothermia on crew.
 - _____ 5. Stated decision criteria to proceed with mission.
 - _____ 6. Stated Crew control procedures.
 - _____ 7. Explained the boat crew fatigue standards.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-03-03-TYPETASK:

OPERATE BOAT IN HEAVY SEAS.

REFERENCE: N/A

CONDITION:

Task performed while underway for training in 8-10 foot seas. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

Task must be done without endangering the boat or crew. Boat must operate with head to seas, stern to seas and perpendicular to seas while both making way and maintaining stationary position. Boat must maintain head to sea position whenever boat is stopped.

PERFORMANCE CRITERIA

COMPLETED

- _____ 1. Briefed crew, given duties.
- _____ 2. Positioned crew with all safety equipment.
- _____ 3. Inspected boat with all loose gear stowed and water tight integrity maintained.
- _____ 4. Tested engine controls prior to departing protected waters.
- _____ 5. Observed sea conditions and evaluated.
- _____ 6. Identified natural range and landmarks.
- _____ 7. Identified safe operating area and hazards.
- _____ 8. Maintained bow aspect when in seas at idle.
- _____ 9. Avoided breaking waves, if possible.
- _____ 10. Used proper power to meet seas when required.

TASK SRF-03-03-TYPE

- _____ 11. Maintained proper communications between coxswain and crew.
- _____ 12. Operated with bow to seas.
- _____ 13. Operated with stern to seas.
- _____ 14. Adjusted speed to allow a stable, comfortable ride for conditions.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-03-04-TYPE

TASK:

DEMONSTRATE ABILITY TO TAKE A BOAT IN TOW IN HEAVY SEAS.

REFERENCE: N/A

CONDITION:

Task performed while underway for training in daytime in 8-10 foot seas. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

Task must be done without endangering the boat or crew. Boat must take another boat in stern tow and maintain tow for at least fifteen minutes.

PERFORMANCE CRITERIA

COMPLETED

- _____1. Briefed crew, given duties.
- _____2. Positioned crew with all safety equipment.
- _____3. Inspected boat with all loose gear stowed and water tight integrity maintained.
- _____4. Observed sea conditions and evaluated.
- _____5. Evaluated condition of disabled boat.
- _____6. Established communications with disabled boat.
- _____7. Located towing appendages and evaluated for strength.
- _____8. Used proper towing equipment for type, size, and sea conditions.
- _____9. Evaluated relative rates of drift.

TASK SRF-03-04-TYPE

- _____10. Made proper approach to disabled boat.
- _____11. Passed drogue to disabled boat and hooked up.
- _____12. Stated the effect on the disabled vessel.
- _____13. Took slow strain on towline.
- _____14. Placed disabled boat in step.
- _____15. Determined status of disabled boat.
- _____16. Towed disabled boat for fifteen minutes.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-03-05-TYPETASK:

DEMONSTRATE ABILITY TO DIRECT PASS A PUMP IN HEAVY SEAS.

REFERENCE: N/A

CONDITION:

Task performed while underway for training in daytime in 8-10 foot seas. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

Task must be done without endangering the boat or crew. Boat must maintain relative position while alongside a boat and direct pass a pump can.

PERFORMANCE CRITERIA

COMPLETED

- _____ 1. Briefed crew, given duties.
- _____ 2. Positioned crew with all safety equipment.
- _____ 3. Inspected boat with all loose gear stowed and water tight integrity maintained.
- _____ 4. Tested engine controls prior to coming alongside.
- _____ 5. Observed sea conditions and evaluated.
- _____ 6. Identified safe operating area and hazards.
- _____ 7. Maintained bow aspect when in seas at idle.
- _____ 8. Briefed receiving boat on procedures.

TASK SRF-03-05-TYPE

- _____ 9. Noted disable vessels relative rate and direction of drift.
- _____ 10. Used proper inhaul/outhaul tag lines.
- _____ 11. Maintained adequate communications between coxswain and crew.
- _____ 12. Maintained relative position.
- _____ 13. Pump can received by disabled boat.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-03-06-TYPETASK:

DEMONSTRATE ABILITY TO PASS A PUMP DOWN A TOWLINE IN HEAVY SEAS.

REFERENCE: N/A

CONDITION:

Task performed while underway for training in daytime in 6-8 foot seas while stern towing another boat. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

Task must be done without endangering the boat or crew. Boat must pass a pump can along a towline to a towed boat.

PERFORMANCE CRITERIA

COMPLETED

-
- _____ 1. Briefed Crew, given duties.
 - _____ 2. Positioned crew with all safety equipment.
 - _____ 3. Inspected boat with all loose gear stowed and water tight integrity maintained.
 - _____ 4. Briefed towed boat on procedures.
 - _____ 5. Maintained minimum headway while passing pump can.
 - _____ 6. Rigged tag lines properly.
 - _____ 7. Maintained adequate communications between coxswain and crew.
 - _____ 8. Pump can received by towed boat.
 - _____ 9. Proper scope of line used to place pump at a safe position for retrieval.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-03-07-TYPETASK:

DEMONSTRATE ABILITY TO TOW A DISABLED VESSEL IN HEAVY WEATHER AND ROUGH BAR CONDITIONS WITH THE USE OF A DROGUE.

REFERENCE: N/A

CONDITION:

Task performed while underway for training in 8 to 10 foot seas using a training vessel or other lifeboat.

STANDARDS:

Trainee must state, without error, effects of a drogue being used on a vessel being towed. Task must be done without endangering the boat or crew. Training vessel must be sturdy and have adequate transom strength to withstand the pull of the drogue.

PERFORMANCE CRITERIA

COMPLETED

- _____ 1. Explained when a drogue should be used.
- _____ 2. Stated safety precautions to be observed when selecting and using a drogue
- _____ 3. Explained where a drogue should be secured when towing a vessel with jammed rudder.
- _____ 4. Explained where a drogue should be secured when towing in a heavy following sea.
- _____ 5. Explained how a vessel is effected when being towed with a drogue.
- _____ 6. Stated the proper scope of drogue line to be used in various sea states.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS:

TASK SRF-03-08-TYPETASK:

DEMONSTRATE ABILITY TO NAVIGATE IN HEAVY SEAS.

REFERENCE: N/A

CONDITION:

Task performed on boat prior to underway for preparations and while underway for training in daytime in 8-10 foot seas. Trainee must accomplish task without prompting or use of a reference.

STANDARDS:

Task must be done without endangering the boat or crew. Boat must be piloted at least eight miles with all installed navigation equipment used competently by the trainee.

PERFORMANCE CRITERIA

COMPLETED

- _____1. Briefed crew, given duties.
- _____2. Positioned crew with all safety equipment.
- _____3. Inspected boat with all loose gear stowed and water tight integrity maintained.
- _____4. Observed sea conditions and evaluated.
- _____5. Identified safe operating area and hazards.
- _____6. Determined courses and DR.
- _____7. Used Radar properly.
- _____8. Used Loran properly.
- _____9. Used depthsounder properly.
- _____10. Aware of speed over ground.
- _____11. Aware of surrounding dangers.

TASK SRF-03-08-TYPE

- _____12. Set proper course for seas.
- _____13. Maintained continuous control of crew.
- _____14. Maintained adequate communications between coxswain and crew.
- _____15. Aware of the effects of current in relation to the boats heading.

ACCOMPLISHED: _____ / _____
INSTRUCTOR DATE

COMMENTS: